Mamiya®

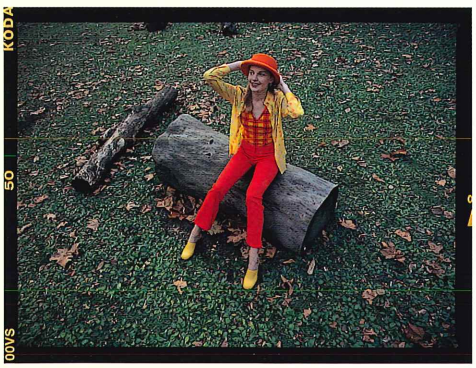
645E

6x4.5cm Format

Step into a world of exquisitely detailed photographic reproduction. The 6 x 4.5cm medium format offers a film area more than 2.7 times the size of conventional 35mm cameras to give your images breathtaking resolution of even the finest detail.
That's why it's the choice of professionals the world over.
Now, the Mamiya 645E offers that level of professional quality in an affordable system that's perfect for taking the step up to enhanced image creation.
All the basic tools that make the medium format ideal for going beyond simple snapshots have been packaged into a camera that's easy to use and low in cost, yet capable of growing with you as you hone your photographic capabilities and creative sense.
The 645E represents a triumph of camera design and production technology that emphasizes economy without compromising performance.

Mamiya
645E

C45mm f/2.8 N



6×4.5cm format(actual negative size:56×41.5mm)

35mm format
(actual negative size:24×36mm)

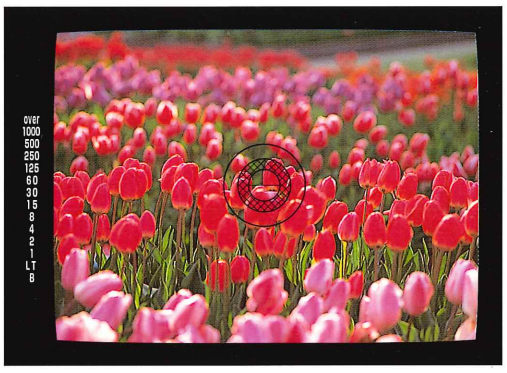
Fine optics are the heart of photography.
Lens performance factors such as resolution, color balance/fidelity and correction of aberration determine the quality of the final image.
Versatility in lens selection – a range of choices from super-wide angle to telephoto, macro-focusing and specialty optics – determine how effectively the photographer will be able to reproduce on film the planned image.
Mamiya designed the 645E to accept the same 19 interchangeable lenses available for more advanced models in the 645 series.
This means the photographer on a budget doesn't have to compromise optical performance, and can continue using the same fine lenses when upgrading to a more advanced camera body.

Simple Operation

Mamiya 645E

Creativity doesn't have to be complicated; high performance doesn't have to be hard. Mamiya designed the 645E to make the creation of fine-quality photographic images easy, economical and efficient (that's why the E). Decades of mechanical and electronics know-how earned in medium-format camera development make this latest addition to the fabled Mamiya 645 series fast and simple to handle. Automated exposure, responsive controls and a sleek, ergonomic design leave the photographer free to concentrate on image creation, while the camera handles all the details.

Crucial to achieving the desired image is the ability to preview the final result. The Mamiya 645E effects that ability with a clear, bright, AE-Reflex viewfinder that shows exactly what the film will reproduce. A micro/split-image finder screen enables fast, precise focusing, while built-in +/- 5 diopter eyepiece correction adjusts viewing to enable almost any photographer to view the image accurately, with or without eyeglasses.



Finder LED Indicators

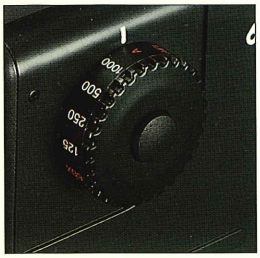
over 1000 500 250 125 60 30 15 8 4 2 1 LT B

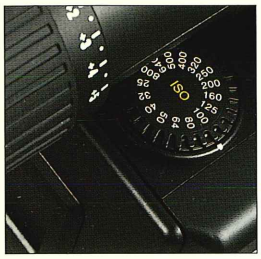
- over — Blinks to indicate over-exposure.
- 1000 500 250 125 60 30 15 8 4 2 1 — Lights to indicate shutter speed that matches aperture setting. When shutter speed is between values, both value light.
- 1 — Light to indicate a shutter speed greater than one second
- 1 — Blinks to indicate under-exposure.
- LT — Light to indicate Bulb

Metering LEDs also blink to indicate low battery power, completion of rewinding, completion of shutter setting.

High-Quality Roll-Film Options:

The 645E accepts both 120/220 roll film, for 15 or 30 frames per roll with a wide selection of film types and speeds. Switching between 120 and 220 film is as easy as changing film inserts, with a quick-load design that lets the photographer reload or opt for a different film type with no fuss or bother.



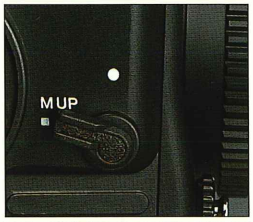


Aperture-Priority AE Control

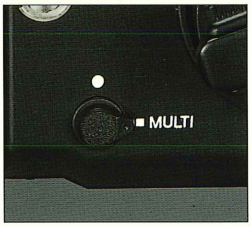
The Mamiya 645E features a highly sensitive and accurate TTL metering function that combines with sophisticated electronics to provide aperture-priority automated exposure control. The photographer simply selects the desired lens aperture to suit the subject, and the camera automatically adjusts shutter speed to generate a perfectly exposed image. The center-weighted metering system emphasizes exposure accuracy for the main part of the frame, to assure excellent reproduction of detail even under adverse lighting conditions.

Under AE control, the photographer can see a LED indication of the chosen shutter speed in the viewfinder, as well as warning indicators should the ambient lighting be too bright to achieve proper exposure at the selected lens aperture, or if the shutter speed will be too slow to allow blur-free reproduction without use of a tripod (LT – long-time – setting). Naturally, the 645E also incorporates full manual control to enable the photographer to select a precise combination of aperture and shutter speed settings.

Under any conditions, the photographer can opt to activate exposure compensation of +/- 2EV – the equivalent of two exposure steps – to achieve a deliberate over- or under-exposure of the film as a means of generating specific moods or effect in the final image. Exposure compensation is performed automatically under both AE and manual control.



Preventing camera shake is a vital element in achieving professional-quality images. To eliminate all unnecessary movement within the camera body during exposure of the film, the photographer can lock the mirror in the up position at any time.



Multiple exposures on a single frame can be accomplished simply by depressing the multi-exposure level on the camera body. Each time this lever is depressed, the advance lever disconnects to keep the same frame active while the shutter is recharged for another exposure.

C210mm f/4N

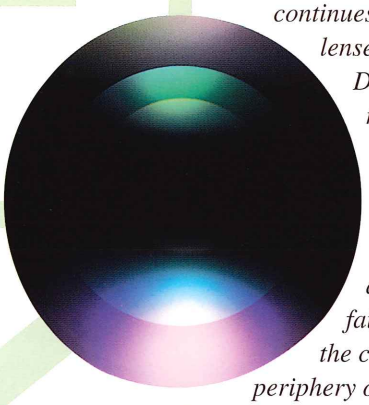
C45mm f/2.8N

Specifications:

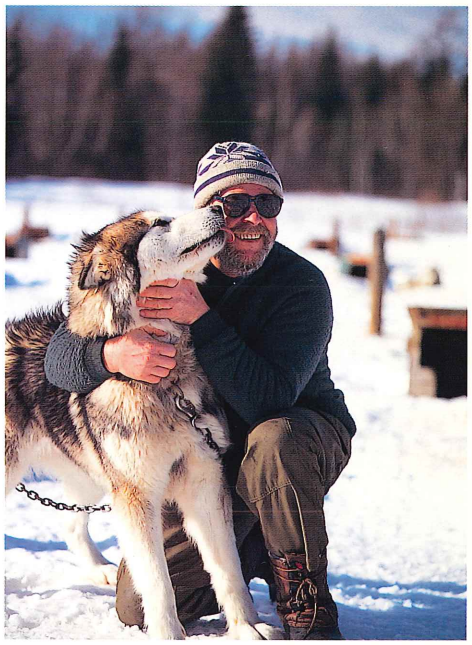
Type	: Single-lens reflex camera with electronic focal-plane shutter; 6 × 4.5cm format
Image area	: 56 × 41.5cm
Film	: 120/220 roll film (15/30 frames)
Film insert	: 120 and 220 film types
Film winding	: Single-throw 360° crank
Standard lens	: Mamiya-Sekor 80mm f/2.8 N (selection of 19 interchangeable lenses)
Lens mount	: Mamiya 645 bayonet mount
Finder	: Reflex AE-Reflex finder showing 94%* of image area; built-in eyepiece correction of +/-5 diopter
Finder screen	: Micro split-image
Finder indicators	: LED indicator of AE-adjusted shutter speed; over-exposure warning; LT shutter setting
Exposure control	: Aperture-priority auto-exposure; manual controls
Incremental settings	: 1 step shutter settings; 0.5 step aperture settings
Metering	: Center-weighted TTL metering in AE or manual modes; metering activated by slight pressure on shutter release button, remains on for 10 sec.
Exposure sensitivity	: EV 2 (f/2.8; 2 sec.) to EV 19 (f/22; 1/1000 sec.) for f/2.8 lens with ISO 100 film
Exposure compensation	: +/-2 EV in 1/3 steps; adjustment dial
Film speeds	: ISO 25-800 (1/3-step settings); set on film speed dial
AE lock function	: Set using AEL setting on shutter speed dial
Shutter	: Moving coil electronic focal-plane shutter
Shutter speeds	: 1/1000 sec. to 8 sec. in AE mode; 1/1000 sec. to 4 sec. plus B in manual mode
Flash synch	: X synch up to 1/60 sec. (lock function)
Multiple exposure	: Activated by lever on camera body
Mirror-up	: Mirror-up lever on camera body
Cable release socket	: Built into shutter release
Tripod mount	: U 1/4-inch and U 3/8-inch screw mounts
Battery requirement	: One 6-volt (4 LR 44 alkaline-manganese; 4 SR 44 Ni-Cd; 2 CR 1/3 N lithium) cell
Dimensions	: 135(W) × 134.2(H) × 163.8(D)mm
Weight	: 1,340g(w/o battery)

*This information is based on a linear (horizontal/vertical) measurement.
Specifications are subject to change without notice.

Professional Eyes



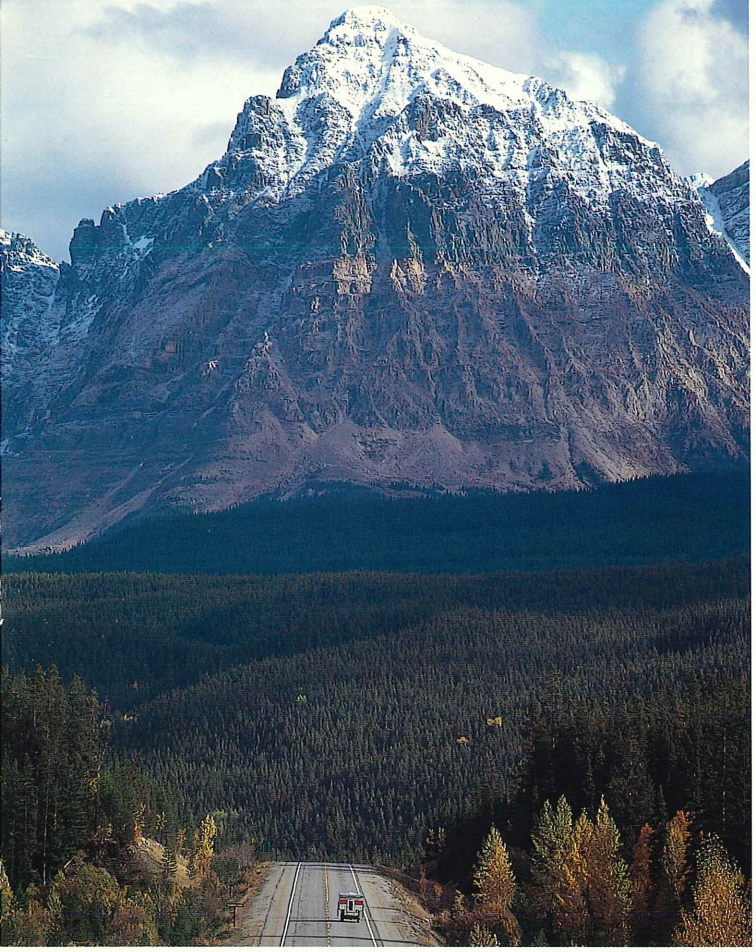
The Mamiya tradition of optical excellence continues with the 19 interchangeable lenses available for the 645E. Designed and produced with meticulous attention to image quality, each of these optical systems offers an unmatched level of resolution, color fidelity and correction of aberration that assures totally faithful reproduction not just of the central image but to the full periphery of the image circle.
The lenses are grouped into wide angle, telephoto and special-purpose categories, enabling the 645E user to select a combination capable to handling specific requirements and at the same time versatile enough to suit any subject or shooting situation, in the studio or field. Each lens has been designed to achieve maximum performance.
Only the finest optical glass is used for lens elements, and the machining of lens barrels and focusing helicoids meets the strictest tolerance standards.
Mamiya optics have won an enviable reputation among professionals worldwide for getting the image on film with total fidelity.



C210mm f/4N

A150mm f/2.8

	Fisheye ULD C24mm f/4	C 35mm f/3.5N	C 45mm f/2.8N	C 55mm f/2.8N	C 80mm f/1.9N	C 80mm f/2.8N	Macro C 80mm f/4N	Macro A 120mm f/4M
Optical Construction (elements/groups)	10/8 (include filters)	9/7	9/7	8/6	7/6	6/5	6/4	9/8
Angle of View	180	90	76	65	47	47	47	33
Minimum Aperture	22	22	22	22	22	22	22	32
Diaphragm	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Minimum Focusing Distance	0.3m	0.45m	0.45m	0.45m	0.7m	0.7m	0.36m	0.4m
Maximum Magnification Ratio	0.14	0.11	0.15	0.18	0.15	0.15	0.5	1.0
Area Covered	298×402mm	387×522mm	286×386mm	231×312mm	284×384mm	281×380mm	83×112mm	42×56mm
Equivalent focal length for 35mm	15mm	22mm	28mm	34mm	50mm	50mm	50mm	73mm
Filter Size	None required	77mm	67mm	58mm	67mm	58mm	67mm	67mm
Lens Hood	None required	None required	Slip-on	Screw-in	Screw-in	Screw-in	None required	None required
Dimensions(Lxw)	82×100mm	61.5×80mm	70.5×75mm	59.4×70mm	59×75.5mm	43.5×70mm	75×79mm	111×77.4mm
Weight	785g	445g	475g	305g	420g	235g	585g	745g



A200mm f/2.8APO

Macro A120mm f/4M

C55mm f/2.8N

C210mm f/4N

C 150mm f/3.5N | C 210mm f/4N | ULD C 300mm f/5.6N | Shift C 50mm f/4 | Zoom C 55–110mm f/4.5N | Zoom C 105–210mm f/4.5 | C 500mm f/5.6 | A 200mm f/2.8 APO | A 300mm f/2.8 APO | A 500mm f/4.5 APO

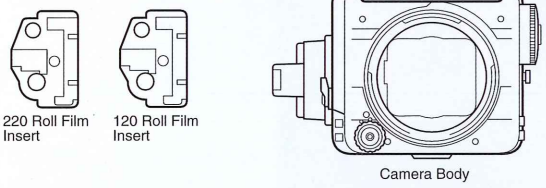
Tele-Converter N

	A 150mm f/2.8	C 150mm f/3.5N	C 210mm f/4N	ULD C 300mm f/5.6N	Shift C 50mm f/4	Zoom C 55–110mm f/4.5N	Zoom C 105–210mm f/4.5	C 500mm f/5.6	A 200mm f/2.8 APO	A 300mm f/2.8 APO	A 500mm f/4.5 APO
	6/4	5/5	5/4	6/5	10/8	11/10	13/11	6/5	7/5	9/8(include filters)	11/9(include filters)
	26	26	19	13	70	65–35	36–19	8	20	13	8
	22	32	32	32	32	32	32	45	22	22	32
	Automatic	Automatic	Automatic	Automatic	Manual	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
	1.5m	1.5m	2.5m	4m	0.45m	1.5m	1.8m	9m	2.5m	3.5m	5m
	0.12	0.12	0.1	0.09	0.18	0.04–0.08	0.07–0.14	0.07	0.1	0.1	0.11
	342×462mm	344×465mm	406×547mm	445×600mm	230×310mm	55→986×1331mm 110→520×702mm	105→558×754mm 210→294×396mm	622×839mm	437×590mm	437×590mm	377×509mm
	93mm	93mm	130mm	186mm	31mm	34~68mm	65~130mm	310mm	124mm	186mm	310mm
	67mm	58mm	58mm	58mm	77mm	67mm	58mm	105mm	77mm	-	-
	Built-in	Built-in	Built-in	Built-in	Non required	Screw-in	Built-in	Built-in	Built-in	Built-in	Built-in
	107×74.5mm	80×70mm	137×70mm	164×70mm	105.5×80mm	104×77mm	158×74.5mm	358×114mm	143.5×91mm	237×139.5mm	377.5×162mm
	740g	420g	725g	710g	735g	800g	875g	2280g	1100g	2910g	5410g

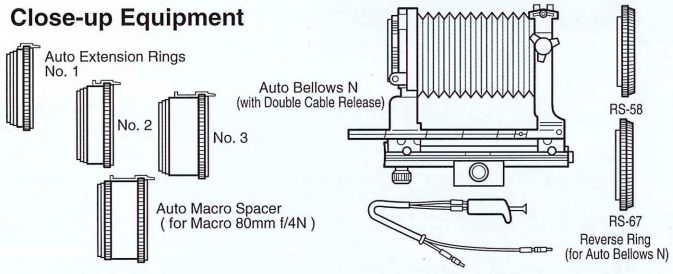
2 x Tele-Converter N

A converter that doubles the effective focal lengths of exisiting lenses while maintaining auto diaphragm and metering capabilities. Designed for use with 150, 200, 210, 300, and 500mm lenses.
Weight:330g

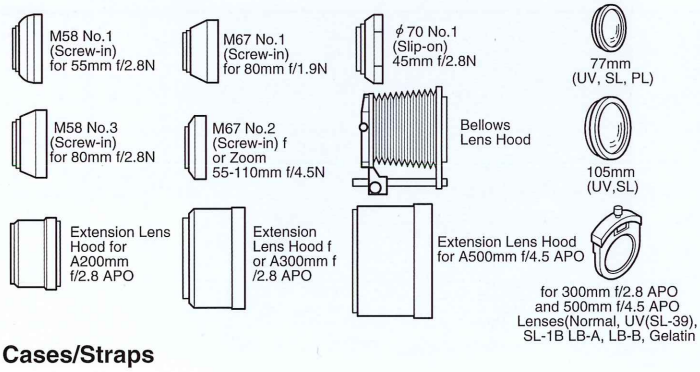
Mamiya 645E System



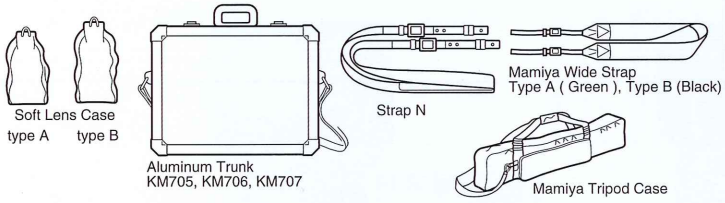
Close-up Equipment


Auto Extension Rings No. 1
No. 2
No. 3
Auto Macro Spacer (for Macro 80mm f/4N)
Auto Bellows N (with Double Cable Release)
RS-58
RS-67 Reverse Ring (for Auto Bellows N)

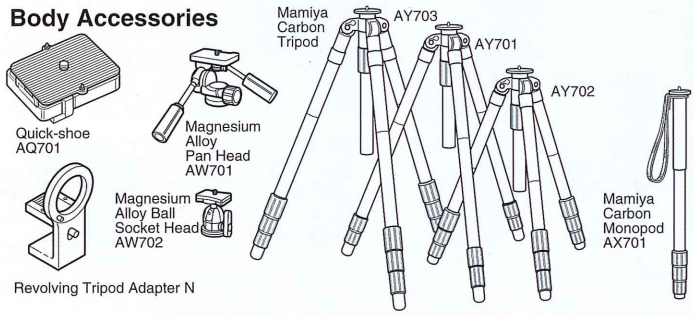
Hoods/Filters


M58 No.1 (Screw-in) for 55mm f/2.8N
M67 No.1 (Screw-in) for 80mm f/1.9N
φ70 No.1 (Slip-on) 45mm f/2.8N
77mm (UV, SL, PL)
M58 No.3 (Screw-in) for 80mm f/2.8N
M67 No.2 (Screw-in) f or Zoom 55-110mm f/4.5N
Bellows Lens Hood
105mm (UV,SL)
Extension Lens Hood for A200mm f/2.8 APO
Extension Lens Hood f or A300mm f /2.8 APO
Extension Lens Hood for A500mm f/4.5 APO
for 300mm f/2.8 APO and 500mm f/4.5 APO Lenses(Normal, UV(SL-39), SL-1B LB-A, LB-B, Gelatin

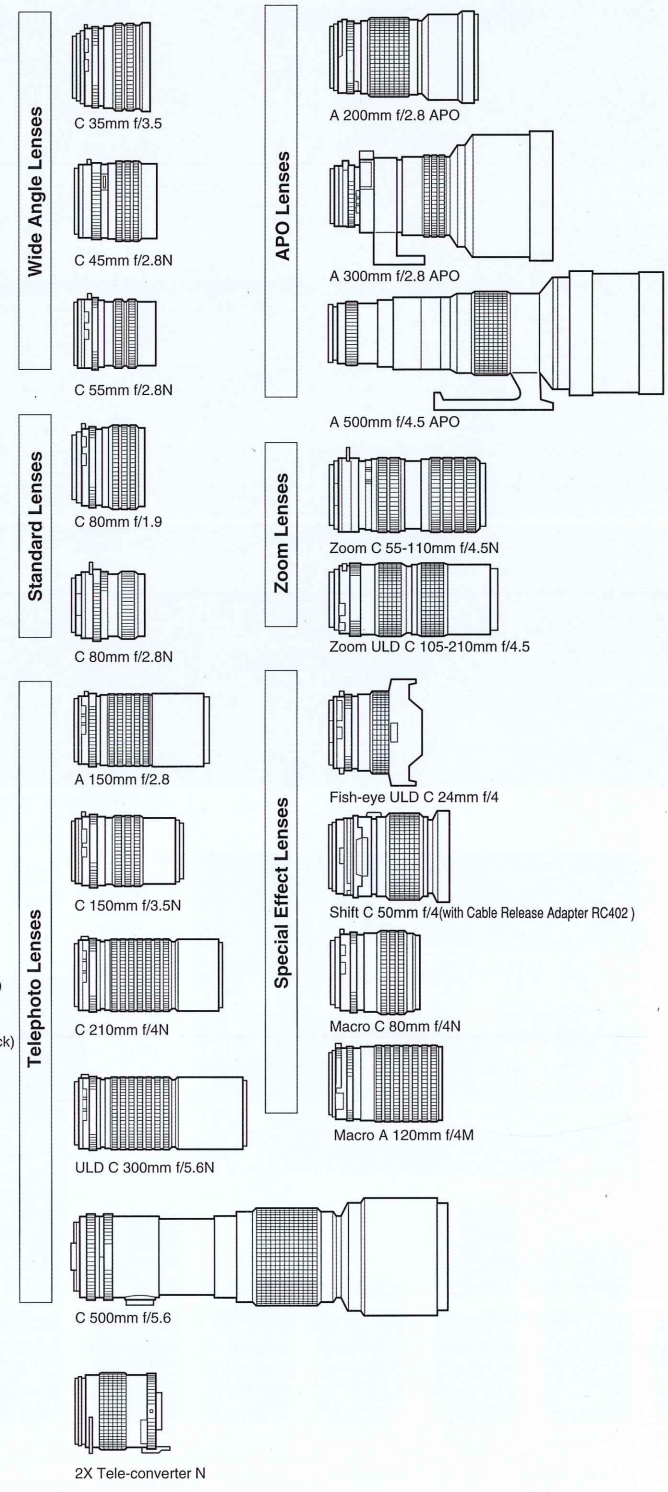
Cases/Straps


Soft Lens Case type A
type B
Aluminum Trunk KM705, KM706, KM707
Strap N
Mamiya Wide Strap Type A (Green), Type B (Black)
Mamiya Tripod Case

Body Accessories



Lenses



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